



Amendments to the Claims:

Following is a complete listing of the claims pending in the application, as amended:

1-52. (Canceled.)

53. (Currently Amended) A method for a server computer to ~~of distributeing~~ and installing software upgrades on a client computers, ~~in a client server system~~ comprising:

~~setting minimum and maximum versions of installed software for clients;~~
under control of the server computer,

~~_____ defining contents of software version upgrade kits from the minimum and maximum versions of the~~ software installed on client computers ~~software,~~ the software version upgrade kits each comprising files, actions, and an upgrade wizard to upgrade ~~one or more a~~ software components from one version to another version;

~~_____ writing the contents of the software version upgrade kits to a database on the server computer as a table of contents, said the table of contents showing for each of the upgrade kits the contents of an that upgrade kit and which any software components are required by a corresponding for an upgrade using that upgrade kit;~~
and

for each of multiple client computers,

comparing the table of contents of the software version upgrade kits to software installed on that client computer to determine one or more software version upgrade kits that will each effect an upgrade on that client computer from a version of a software component currently installed on that client computer to an updated software component version; and

building copies of the determined software upgrade kits for that client computer from the table of contents; and

for each of the multiple client computers,

instantiating an application on the client computer;

_____ ~~verifying that determining whether~~ software components for the ~~a~~ program ~~that is currently running program on that client computer~~ are up-to-date; and

_____ ~~if any when one or more~~ software components ~~of in the currently running~~ program ~~are is~~ not up-to-date,

_____ interrogating other installed software on ~~that~~ client computer to determine the installed versions of those not-up-to-date software components that are installed on that client computer;

~~comparing the table of contents of software version upgrade kits to software installed on the client to determine software version upgrade kits needed to be invoked on the client to effect upgrades from a currently installed software version to a required software version;~~

~~building the software upgrade kits from the table of contents;~~

_____ notifying the server computer of the determined installed versions of the not-up-to-date software components on that client computer;

_____ downloading copies of the software upgrade kits from built on the server computer for that to a client computer to be upgraded the not-up-to-date software components;

~~creating a backup of local files before applying the upgrade;~~

_____ for each of the downloaded software upgrade kits, invoking an the upgrade wizard for that software upgrade kit on that client computer to upgrade one of the not-up-to-date software components on that client computer, said the upgrade wizard reading a list of upgrade kit items to be performed for the software version upgrade from a driver file and a list of upgrades to be run and the state of each upgrade from a state file, and performing the software component upgrades by performing the actions of the upgrade kit and using the files of the upgrade kit; and

_____ after the upgrading of the not-up-to-date software components on the client, restarting execution of the original program so as to use the upgraded software components that invoked the upgrade.

54. (Currently Amended) The method of claim 53 including:
before the performing of an upgrade of a software component, creating a backup
of local files;

tracking ~~the progress of an~~ the performing of the upgrade; ~~;~~
rolling back changes made during the performing after ~~when an error occurs~~; ~~;~~
instantiating the ~~backed up~~ local files backup; ~~;~~ and
restarting the upgrade from a save point.

55. (Currently Amended) The method of claim 53 comprising monitoring the
progress of the performing of an a software upgrade of a software component on a
client from a server.

56. (Currently Amended) The method of claim 53 including downloading one
or more upgrade kits for software components to a client computer before it has been
determined that the client computer requires ~~the~~ upgrades for those software
components.

57. (Currently Amended) The method of claim 53 wherein the ~~software being~~
~~upgraded~~ currently running program on the multiple client computers is database
management software, and wherein the ~~upgradesd~~ software components further
include database ~~schemas~~ changes.

58. (Currently Amended) A client-server ~~computing~~ er system comprising a
server computer and at least one client computer that ~~periodically docks~~ ing with the
server computer, ~~said the~~ server computer including a database management system
and a database ~~thereon~~, and ~~wherein said the~~ database is being partially replicated
from the server computer to the client computer during docking, ~~said the~~ client-server
system being configured to perform a method to apply upgrades from the server
computer to software components resident on the client computer, ~~from the server~~

~~computer, said client server computer system further being configured to the method comprising:~~

~~set minimum and maximum versions of installed software for the client computer;
defining contents of software version upgrade kits from the minimum and maximum versions of the installed software, the software version upgrade kits comprising that each include files, and actions, and an indication of an upgrade wizard to upgrade one or more software components from one version to another version, the software components to be upgraded by at least some of the upgrade kits including database schema for the partially replicated database on the client computer;~~

~~writing the contents of the software version upgrade kits to a database as a table of contents, said the table of contents showing the contents of an each upgrade kit and which software components are required by a corresponding an upgrade using an upgrade kit;~~

~~instantiating a software program on the client;~~

~~verifying that determining one or more software components for the a currently running database management software program on the client computer that are not up-to-date, the database management software program interacting with the partially replicated database on the client computer, those one or more software components including at least one of the database schema for the partially replicated database on the client computer;~~

~~if any software component in the currently running program is not up-to-date, interrogating other installed software on the client to determine the installed versions on the client;~~

~~comparing retrieving identifications from the table of contents of the software version upgrade kits to the software installed on the client computer to determine software of one or more version upgrade kits needed to be downloaded from the server computer to the client computer and invoked on the client computer to effect upgrades of the determined software components from a currently installed versions software version to a required software versions, the identified upgrade kits including one or~~

more of the at least some upgrade kits that upgrade the database schema for the partially replicated database on the client computer;

building copies of the identified software upgrade kits from and of additional upgrade kits based on the table of contents, the additional upgrade kits for performing upgrades of software components on the client computer that are not needed for the database management software program;

during docking of the client computer with the server computer, downloading copies of the built software upgrade kits from the server computer to the client computer;

creating on the client computer a backup of local files thereon before applying the upgrade;

invoking the upgrade wizard to perform upgrades on the client computer of at least the determined software components on the client based on the downloaded upgrade kits, the upgrading of each software component including identifying a state of the upgrade for that component and performing at least some of the, said upgrade wizard reading a list of actions of the one or more upgrade kits items for that software component based on the identified state to be performed for the software version upgrade from a driver file and a list of upgrades to be run and the state of each upgrade from a state file and performing the upgrades; and

after performing the software component upgrades, restarting the database management original software program that invoked the upgrade; and

subsequent to the docking of the client computer with the server computer, determining that the client computer needs one or more of the software component upgrades corresponding to the additional upgrade kits and performing those one or more upgrades based on the previously downloaded additional upgrade kits.

59. (Currently Amended) The client-server computing system of claim 58 further configured to create on the client computer a backup of local files before applying the upgrades from the downloaded software upgrade kits, to track the progress of an upgrade, and to, when an error occurs during the upgrade, roll back

changes ~~when an error occurs~~, instantiate the ~~backed-up~~ local files backup, and restart the upgrade from a save point.

60. (Currently Amended) The client-server computinger system of claim 58 further configured to monitor ~~the~~ progress of a software upgrade on a the client computer from a the server computer.

61. (Canceled.)

62. (Canceled.)
